

DRAFT – NOT TO BE ENTERED

U.S. Patent Application Serial No. 09/349,198 Personal Interview Agenda

Claims 1-6 and 12-20:

Discuss Sockut et al. and cited sections to explain that Sockut et al. does not disclose or suggest the claims in the present application.

- For example, Sockut et al. discloses reorganizing the table space by copying table space in use to a new area and applying logs to the newly copied table space. Socket et al. discloses that the newly copied table space is the reorganized table space. Sockut et al. does not disclose, suggest, or teach to recover a database table without recovering the tablespace itself. Rather, in Socket et al. tablespace is in fact reorganized, i.e., recovered or modified.

Discuss the proposed claim amendments below, made for clarity.

Status of claims: Claims 1-6, 12-20 are pending; claims 1, 12, and 17 are independent.

Proposed claim amendments:

1. (currently amended) A system for recovering a database table comprising:
a table recovery system, the table recovery system operable to retrieve a backup copy of a tablespace and to apply updates to the backup copy from a log associated with a database table, and to restore a the database table of in the tablespace from the updated backup copy without modifying the configuration of the tablespace; and
a tablespace access system coupled to the table recovery system, wherein the tablespace access system is operable to restrict access to the tablespace to read-only access.
2. (previously amended) The system of claim 1 wherein the ^{database} table recovery system further comprises a log record sorter system operable to sort log records from the log.
3. (previously amended) The system of claim 2 further comprising:
a data page updater system coupled to the log record sorter system operable to apply the log record updates to the backup copy.
4. (previously amended) The system of claim 3 further comprising:
a data page scanner system coupled to the data page updater system, the data page scanner system operable to locate page rows associated with the database table in at least one data page.

5. (previously amended) The system of claim 4 further comprising:

a page row extractor system coupled to the data page scanner system operable to extract the page rows from the at least one data page that has been located by the data page scanner system.

6. (previously amended) The system of claim 5 further comprising:

a table row inserter system coupled to the page row extractor system operable to write the extracted page rows to the database table.

12. (currently amended) A method of recovering a first database table that depends on a tablespace, said method comprising:

receiving a backup copy of a tablespace having data for one or more database tables;

reading log records associated with a first database table of in the one or more database tables;

applying the log records to the backup copy without ~~modifying the configuration~~ of recovering the tablespace;

building new table data pages from the backup copy;

scanning the new table data pages for records of the first database table; and

updating the first database table from the records.

13. (original) The method of claim 12, further comprising:

limiting access of a second table to the tablespace to read-only before the first table is updated, wherein the second table depends on the tablespace.

14. (original) The method of claim 13, further comprising:

providing update access to the second table after the first table is updated.

15. (original) The method of claim 12, further comprising sorting the log records.

16. (original) The method of claim 12 wherein the first table comprises rows and indices, the method further comprising:

deleting the rows; and

locking out the indices.

17. (currently amended) A method for recovering a database table that depends on a tablespace, said method comprising:

receiving a backup copy of a tablespace having data for one or more database tables;

reading log records associated with a first database table of ~~in~~ the one or more database tables;

applying the log records to the backup copy without ~~modifying the configuration~~
of recovering the tablespace;

building one or more table data pages from the backup copy having the log records applied;

selecting one or more records from the one or more database table data pages, the one or more records belonging to the first database table; and

updating the first database table with the one or more records selected from the one or more table data pages, while allowing access to rest of the one or more database tables in the tablespace,

wherein the first database table can be recovered without having to recover the tablespace entirely.

18. (previously amended) The method of claim 17, further comprising:

allowing said at least one of the one or more database tables to have update access to the tablespace when the first database table is restored.

19. (previously amended) The method of claim 17, further comprising:

deleting all rows of the first database table; and

locking out access to indices of the first database table.

20. (previously added) The method of claim 17, wherein applying log records to the tablespace backup copy further comprises:

reading the log records from a log record file to a log record workspace;

sorting the log records; and

applying the log records to the tablespace backup copy.